

MACHINE FOR MAKING FILTER MOUTHPIECES FOR ROD-SHAPED  
SMOKERS' PRODUCTS

ABSTRACT OF THE DISCLOSURE

1       A machine for making composite filter mouthpieces  
2       for cigarettes or the like has a conveyor serving to  
3       transport a series of upright tubes of paper or the like  
4       past a vertically movable plunger which serves to  
5       introduce into successive tubes alternating plugs or wads  
6       of filter material and batches of flowable granular  
7       and/or pulverulent filter material. If the extent to  
8       which the plunger descends into a registering tube is  
9       outside of a predetermined range, the tube contains an  
10      excessive quantity or less than the required quantity  
11      of filter material. This is detected by one or more  
12      sensors which causes or cause ejection of the respective  
13      tube from the path for acceptable filter mouthpieces.  
14      A compensating device cooperates with the plunger to  
15      allow for proper confinement of flowable filter material  
16      against rattling between a pair of filter plugs if the  
17      quantity of such flowable filter material in a tube is  
18      below an optimum value.